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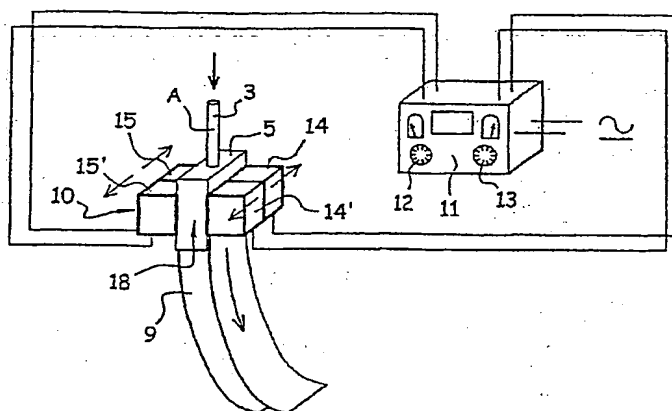
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As printed

(54) Title: METHOD AND DEVICE FOR CONTROLLING FLOWS IN A CONTINUOUS SLAB-CASTING INGOT MOULD

(54) Titre : PROCÉDE ET DISPOSITIF POUR LA MAÎTRISE DES ÉCOULEMENTS DANS UNE LINGOTIÈRE DE COULÉE CONTINUE DE BRAMES



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(57) Abstract: The invention concerns a continuous casting ingot mould equipped with an immersed nozzle (3) provided with lateral outlets (2) opposite the small sides (5) of the ingot mould, and whereof the pattern of molten metal flows can be naturally in single loop or double loop, or even unstable. The invention is characterized in that it consists in using sliding magnetic fields acting, at the nozzle, on the flows of liquid metal reaching the ingot mould through the nozzle orifices, said magnetic fields being generated by polyphase linear electromagnetic field windings (14, 14', 15, 15') arranged opposite at least one side of the ingot mould on either side of the nozzle, preferably opposite one large side and advantageously both, so as to set, or stabilize, a permanent pattern in double loop mode.

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